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APPLICATION NO. FI	ILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/510,602	05/13/2005	Jong-Po Jeon	8947-000116/US	1786
30593 7590 11/16/2006			EXAMINER	
HARNESS, DICKEY & PIERCE, P.L.C.			KORNAKOV	, MICHAIL
P.O. BOX 8910 RESTON, VA 20195		ART UNIT	PAPER NUMBER	
			1746	

DATE MAILED: 11/16/2006

Please find below and/or attached an Office communication concerning this application or proceeding.

## **Advisory Action**

Application No.	Applicant(s)		
10/510,602	JEON ET AL.		
Examiner	Art Unit		
Michael Kornakov	1746		

Before the Filing of an Appeal Brief --The MAILING DATE of this communication appears on the cover sheet with the correspondence address --THE REPLY FILED 03 November 2006 FAILS TO PLACE THIS APPLICATION IN CONDITION FOR ALLOWANCE. 1. X The reply was filed after a final rejection, but prior to or on the same day as filing a Notice of Appeal. To avoid abandonment of this application, applicant must timely file one of the following replies: (1) an amendment, affidavit, or other evidence, which places the application in condition for allowance; (2) a Notice of Appeal (with appeal fee) in compliance with 37 CFR 41.31; or (3) a Request for Continued Examination (RCE) in compliance with 37 CFR 1.114. The reply must be filed within one of the following time periods: The period for reply expires \_\_\_\_\_months from the mailing date of the final rejection. b) The period for reply expires on: (1) the mailing date of this Advisory Action, or (2) the date set forth in the final rejection, whichever is later. In no event, however, will the statutory period for reply expire later than SIX MONTHS from the mailing date of the final rejection. Examiner Note: If box 1 is checked, check either box (a) or (b). ONLY CHECK BOX (b) WHEN THE FIRST REPLY WAS FILED WITHIN TWO MONTHS OF THE FINAL REJECTION. See MPEP 706.07(f). Extensions of time may be obtained under 37 CFR 1.136(a). The date on which the petition under 37 CFR 1.136(a) and the appropriate extension fee have been filed is the date for purposes of determining the period of extension and the corresponding amount of the fee. The appropriate extension fee under 37 CFR 1.17(a) is calculated from: (1) the expiration date of the shortened statutory period for reply originally set in the final Office action; or (2) as set forth in (b) above, if checked. Any reply received by the Office later than three months after the mailing date of the final rejection, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b). **NOTICE OF APPEAL** 2. The Notice of Appeal was filed on \_\_\_\_\_. A brief in compliance with 37 CFR 41.37 must be filed within two months of the date of filing the Notice of Appeal (37 CFR 41.37(a)), or any extension thereof (37 CFR 41.37(e)), to avoid dismissal of the appeal. Since a Notice of Appeal has been filed, any reply must be filed within the time period set forth in 37 CFR 41.37(a). **AMENDMENTS** 3. The proposed amendment(s) filed after a final rejection, but prior to the date of filing a brief, will not be entered because (a) They raise new issues that would require further consideration and/or search (see NOTE below): (b) They raise the issue of new matter (see NOTE below); (c) They are not deemed to place the application in better form for appeal by materially reducing or simplifying the issues for appeal; and/or (d) They present additional claims without canceling a corresponding number of finally rejected claims. NOTE: . (See 37 CFR 1.116 and 41.33(a)). 4. The amendments are not in compliance with 37 CFR 1.121. See attached Notice of Non-Compliant Amendment (PTOL-324). 5. Applicant's reply has overcome the following rejection(s): 6. Newly proposed or amended claim(s) \_\_\_\_\_ would be allowable if submitted in a separate, timely filed amendment canceling the non-allowable claim(s). 7. X For purposes of appeal, the proposed amendment(s): a) will not be entered, or b) will be entered and an explanation of how the new or amended claims would be rejected is provided below or appended. The status of the claim(s) is (or will be) as follows: Claim(s) allowed: Claim(s) objected to: Claim(s) rejected: 1-9. Claim(s) withdrawn from consideration: \_\_\_\_\_. AFFIDAVIT OR OTHER EVIDENCE 8. The affidavit or other evidence filed after a final action, but before or on the date of filing a Notice of Appeal will not be entered because applicant failed to provide a showing of good and sufficient reasons why the affidavit or other evidence is necessary and was not earlier presented. See 37 CFR 1.116(e). 9. The affidavit or other evidence filed after the date of filing a Notice of Appeal, but prior to the date of filing a brief, will not be entered because the affidavit or other evidence failed to overcome all rejections under appeal and/or appellant fails to provide a showing a good and sufficient reasons why it is necessary and was not earlier presented. See 37 CFR 41.33(d)(1). 10. The affidavit or other evidence is entered. An explanation of the status of the claims after entry is below or attached. REQUEST FOR RECONSIDERATION/OTHER 11. 

The request for reconsideration has been considered but does NOT place the application in condition for allowance because: See Continuation Sheet. 12. Note the attached Information Disclosure Statement(s). (PTO/SB/08) Paper No(s). 13. Other: \_\_\_. Michael Kornakov Primary Examiner

M. KODN APOR

Art Unit: 1746

Continuation of 11. does NOT place the application in condition for allowance because: As per reasons stated in the previous Office Action, dated 09/22/2006. Applicants argue that Nishima fails to teach or suggest "an in situ baking step, wherein a silicon substrate having hard to soft photoresist layers is baked for a predetermined period of time under a pressure of 760 Torr while said silicon substrate is placed on a hot plate" as recited in independent claim 1 and that the abstract of JP-10189541 teaches obtaining a low-pressure treatment method in which the temperature of a substrate to be plasma-ash-treated is raised up to a treatment start temperature in a short time. Applicants' arguments are not persuasive. Applicants' attention is drawn to the teaching of Nishima, which recites removing photoresist from semiconductor wafer utilizing a baking step followed by ashing step only during which the wafer with photoresist is vacuumized. Nowhere Nishima teaches the use of vacuum or applying the pressure during the baking step. The deficiency in Nishina compare to the instant claim 1 is that Nishina does not explicitly teach placing a wafer on a hot plate. However, this deficiency is met by JP'541, who teaches the use of hot plate for efficient raising substrate temperature in a similar process. The reason of using the reference to JP'541 is to show the use of hot plate and not to obtain additional processing parameters. Applicants' attention is drawn to the fact that had the references to Nishina and/or JP'541 taught each and every limitation of the instant claim 1, they would have been used in anticipation rejection. In the instant case the rejection is made over the combination of references under 35 USC 103(a) wherein the deficiency of the primary reference is remedied by the secondary reference and the proper motivation is provided why the references are combinable. Applicants are reminded that one cannot show nonobviousness by attacking references individually where the rejections are based on combinations of references. See In re Keller, 642 F.2d 413, 208 USPQ 871 (CCPA 1981); In re Merck & Co., 800 F.2d 1091, 231 USPQ 375 (Fed. Cir. 1986). Therefore, the rejections of the previous Office Action are sustained..